

-1- (JAPIO)

ACCESSION NUMBER

TITLE

PATENT APPLICANT

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS

JAPIO CLASS

ABSTRACT

80-066865

ACTIVE SUBSTANCE FOR CELL

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H01M-004/06; H01M-004/62

42.9 (ELECTRONICS--Other); 35.1 (NEW ENERGY

SOURCES--Solar Heat)

PURPOSE: To reduce the weight of cell and save its material as well as enhance its discharge characteristic by increasing apparent surface area by mixing a specific ratio of fine hollow granular substance, e.g., shirasu ballon etc., with an active substance.

CONSTITUTION: An active substance, e.g., lead, zinc, silver oxide, nickel, cadmium, etc., is mixed with a fine hollow granular substance, ferrite, Shirasu balloon, silica balloon, carbon halloon, etc., in a proportion of 0.1-300%. The fine hollow granular substance is preferably plated with silver. Thus, the active substance powder is adhered to the fine hollow granular substance to form a thin layer, whereby apparent specific gravity is increased and discharge characteristic is also enhanced. In addition, the cell weight can be reduced and the cell material can be curtailed.